

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Please amend the claims as follows:

Claims 1-9. (Cancelled)

Claim 10. (Currently Amended) An autoclavable filtration material comprising:

a saccharide coupled to a spacer; and

a matrix coupled to the spacer, the matrix being a cross-linked agarose;

wherein the spacer comprises the following formula:

$-\text{O}(\text{CH}_2)_n\text{PhNH}-$,

$[[-\text{O}(\text{CH}_2)_n\text{NH}-]]$ or

$-\text{N}(\text{Acetyl})-(\text{CH}_2)_n\text{NH}-$,

wherein n is an integer selected from 0, 1, 2, 3, 4, 5, 6, or 7.

Claim 11. (Previously Presented): The filtration material of claim 10, further comprising a second spacer attached to the matrix.

Claim 12. (Previously Presented): The filtration material of claim 10, wherein the matrix is bound to two or more molecules of saccharide.

Claim 13. (Previously Presented): The filtration material of claim 10, wherein the bound saccharide ranges from 0.01 to 20 mmole per liter of matrix.

Claim 14. (Previously Presented): The filtration material according to claim 10, comprising at least one of a Blood group A determinant and a Blood group B determinant bound to matrix.

Claim 15. (Previously Presented): The filtration material according claim 10, wherein the saccharide binds a pathogen.

Claim 16. (Previously Presented): The filtration material according claim 10, wherein the saccharide binds an antibody, a cancer-antigen, a toxin, a bacteria, or a virus.

Claims 17.-19. (Cancelled):

Claim 20. (Withdrawn): A filtration material comprising:

a saccharide coupled to a spacer;

a matrix coupled to the spacer;

wherein the spacer comprises a saccharide, peptide, a protein, an aliphatic compound, an aromatic compound, and amino group, or a carboxyl group.

Claim 21. (Withdrawn): The filtration material of claim 20, wherein the spacer has the formula $-O(CH_2)_nPhNH-CO-(CH_2)_mNH-CH(OH)-CH_2-$,

wherein n is 0, 1, 2, 3, or 4,

wherein m is 1, 2, 3, 4, 5, 6, 7, or 8, and

wherein a reducing end of the saccharide is bound alpha or beta glycosidically to the spacer.

Claim 22. (Withdrawn): The filtration material of claim 20, wherein the spacer has the formula
-O(CH₂)_nNH-CO-(CH₂)_mNH-CH(OH)-CH₂-,

wherein n is 0, 1, 2, 3, or 4,

wherein m is 1, 2, 3, 4, 5, 6, 7, or 8, and

wherein a reducing end of the saccharide is bound alpha or beta glycosidically to the spacer.

Claim 23. (Withdrawn): The filtration material of claim 20, wherein the matrix comprises a polymer, plastic, or a polysaccharide.

Claim 24. (Withdrawn): The filtration material of claim 20, containing two or more saccharides.

Claim 25. (Withdrawn): The filtration material of claim 20, containing two or more spacers.

Claim 26. (Withdrawn): A method of filtering a substance from a liquid comprising:
contacting the material of claim 10 with a liquid containing the substance.

Claim 27. (Withdrawn): The method according to claim 26, wherein the substance comprises an antibody, a protein, a toxin, a virus, a bacteria, a pathogen, or a cell.

Claim 28. (Withdrawn): The method of claim 26, further comprising:
eluting the substance from the material.

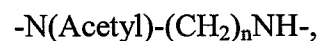
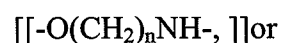
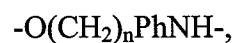
Claim 29. (Withdrawn): The method of claim 26, wherein the liquid is selected from the group consisting of blood, blood plasma, and a liquid from cell mediated production.

Claim 30. (Currently Amended): A filtration material comprising:

a saccharide coupled to a spacer; and

a matrix coupled to the spacer;

wherein the spacer comprises the following formula:



wherein n is an integer selected from 0, 1, 2, 3, 4, 5, 6, or 7;

the filtration material containing bound saccharide ~~ranges~~ in an amount ranging from 0.01 to 20 mmole per liter of matrix.

Claim 31. (Previously Presented): The filtration material of claim 10, wherein the filtration material is in the form of particles.

Claim 32. (Previously Presented): The filtration material of claim 30, wherein the filtration material is in the form of particles.